
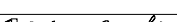


Paved Shoulder, Hot Mix Asphalt Mixture, 6 in.
Special Backfill
Granular Shoulders, Type A or Type B
Earth Shoulder Construction

- ① Rates indicated are for design purposes. Quantities listed are for one shoulder per station.
- ② Quantities shown are based on a design weight of 145 lbs./cu. ft. for Hot Mix Asphalt with an asphalt content of 6% using a 3/4" aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements. $N_{mi} \cdot N_{ds}$ and N_{m} shall be 7, 68, and 104 respectively. Regardless of the ESALs for the pavement. Asphalt Binder PG58-28 shall be utilized with this mix.
- ③ Includes quantity for tack coating vertical face of adjacent pavement prior to placement of any base material. Tack Coat estimated at one (1) application at 0.05 gal/sq. yd.
- ④ Quantities have been determined on the basis of a design weight of 140 lbs. per cubic foot and have been adjusted for the flatter than 6:1 slope at the outside edge. Quantities indicated are for design purposes.

DESIGN QUANTITY TABLE ①																			
HMA SHOULDER ②																GRANULAR SHOULDER ④			
SURFACE AREA				HOT MIX ASPHALT				ASPHALT BINDER				TACK COAT ③							
Sq. Yds.				Tons				Tons				Gallons				Tons			
E=4'	E=6'	E=8'	E=10'	E=4'	E=6'	E=8'	E=10'	E=4'	E=6'	E=8'	E=10'	E=4'	E=6'	E=8'	E=10'	G=2'	G=4'	G=6'	G=8'
44.44	66.67	88.88	111.11	15.41	22.66	29.91	37.16	0.92	1.36	1.79	2.23	2.78	3.89	5.0	6.11	17.36	24.36	31.36	38.36

 Iowa Department of Transportation Highway Division	
STANDARD ROAD PLAN	RJ-34
REVISION: NEW.	REVISION NO. New
	REVISION DATE 10-21-03
APPROVED BY DESIGN METHODS ENGINEER	
PARTIALLY PAVED SHOULDER (6" HMA)	